

ABSTRACT

A semiconductor device of the present invention includes a comparator (1) which includes two input terminals (N1), (N2), and compares the voltage values between the power supply voltage which is inputted to one side input terminal and the reference voltage which is inputted to the other side input terminal, a resistor element (2) which connects the signal line (L1) which is connected to the input terminal (N1) of the comparator (1) and the signal line (L2) which is the input terminal (N2) of the comparator (1), and a capacitance element (3) one end of which is connected to a power supply terminal for applying a power supply and the other end of which is connected to one input terminal of the comparator (2). Thereby, a step variation of a power supply voltage can be detected without depending on the power supply voltage before the voltage variation.